



Automate and Optimize Manufacturing Processes

with Zebra's Fixed Industrial Scanning and Machine Vision Solutions



Manufacturing has become increasingly complex—parts, processes and expectations included. At the same time, yesterday's technology can't offer the simplified, user-friendly automation that manufacturers need. Zebra's Fixed Industrial Scanning and Machine Vision solutions can provide automation on your terms, helping you make barcode reading and inspection core competencies—and game changers for your bottom line.

Whether it's a brand-new process or an existing one, you can optimize it with solutions that are flexible and customizable to your environment and workflows. Easy to setup, deploy and run, an innovative single shared software platform helps you apply the right technology to the challenge at hand, while allowing room to upgrade software as needs change. From production to packaging, let Zebra's Fixed Industrial Scanning and Machine Vision solutions inspire potential in your plant.



Experience the difference



Zebra Aurora™, a single shared software platform



Easy to set up, deploy and run



Seamlessly upgrade from standard fixed industrial scanning to advanced machine vision



Transform and optimize processes at your pace

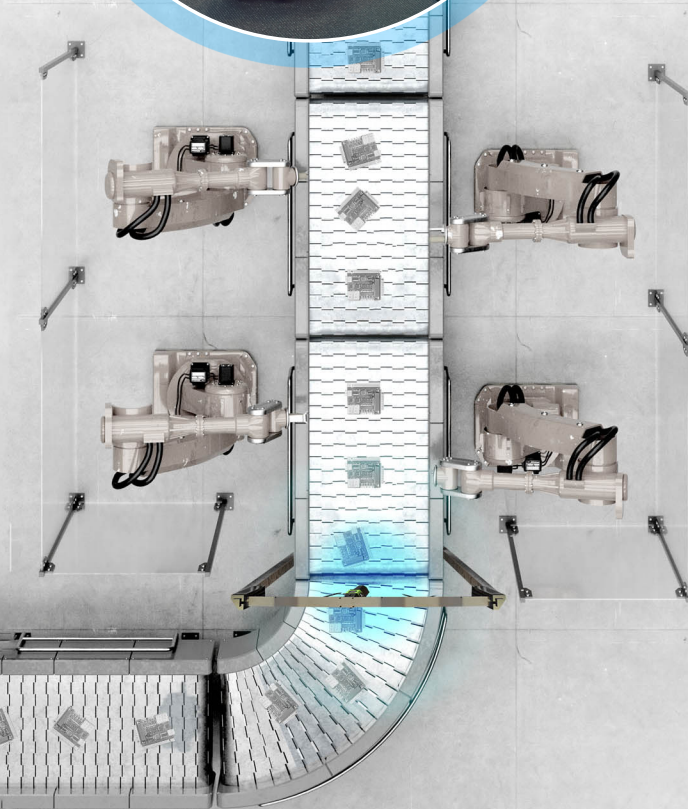
Track Parts Throughout Automated Processes

Challenge

Poor inventory visibility is a common culprit of supply chain problems that result in delays and downtime. Challenging barcodes, difficulty tracking parts with direct part markings (DPM), and the lack of affordable solutions that can read multiple codes poses challenges to manufacturers trying to control inventory.

Solution

With trusted decode performance, Zebra's fixed industrial scanners automate and elevate track and trace capabilities. Fixed industrial scanners read barcodes—helping to avoid human errors and meet the increasing quality demands of global commerce—and create a digital record of inventory that can be used for shipping manifests and locating goods. Mountable on forklifts, conveyors, or overhead for faster manual loading, this foundational capability can help streamline workflows, increase quality and save time in every area of your plant. With the same powerful shared software platform, you can easily add smart camera capabilities to your scanners, unlocking the power of machine vision to perform advanced applications like defect inspections or measurement—all without the need to rip and replace.



Achieve unmatched visibility into inventories:

Capture multiple and challenging codes: 1D, 2D, and DPM

Track work-in-progress inventory and parts in motion

Zebra PRZM Intelligent Imaging & ImagePerfect optimization tools

Ultra-rugged and durable design

Easily integrated in an IoT environment

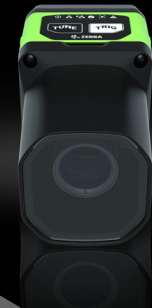
Ensure Correct Assembly for Every Part and Product

Challenge

With so many complex processes involved in production, how can you ensure everything is accounted for and assembled correctly? Manual inspections are costly, slow down processes and require manual record keeping, but at the same time, it's essential to ensure detailed attention to build to spec and maintain quality.

Solution

Turn manual inspections into streamlined quality control processes with easy-to-use industrial automation that helps drive output. Start with basic part inspections and process verification to save time and trim steps from core stages in production. Whether you are producing vehicle parts, electronics or cosmetics, Zebra Aurora™ delivers flexibility for the production floor, IT and management. Inspect for feature presence/absence or location and inspect details like fill level and seal integrity to ensure finished products meet quality standards, and to ease the burden on operators during complex inspections and tight timelines for assembly processes.



Ways to take assembly verification to the next level:

ImagePerfect ensures you have the best image for every inspection

Feasibility Setup Assistant ensures correct tools are being used for inspection goals

Internal and external integrated illumination options

Simplify Detailed Measurements to Build with Precision

Challenge

100% inspection is expected, but it can't slow down the process. When calipers and gauges require operators to check things constantly, record results and adjust manually—all at high throughput—they cannot inspect every part. Technology that cannot catch mistakes can lead to returns—or worse, recalls.

Solution

Implement basic measurements for everything from cosmetics packaging to valve with precision performance from Zebra's machine vision solutions. Easy-to-deploy smart cameras provide accurate readings in production environments. Real-time measurement can inspect every part, providing data and process control automatically. With innovative tools that allow for easy setup of measurement, operators can focus on other processes with confidence that parts are being inspected and measured properly. Even long-term maintenance of the system is simple with Golden Image Compare, which allows you to compare live results with those at the time of setup.



Make measurements exact with built-in intelligence:

Golden Image Compare improves maintenance tasks

Quick Draw reduces tool deployment time

Simple and advanced measurement toolsets to tackle problems cost effectively

Guarantee Complete and Correct Finished Products

Challenge

Missing parts, incorrect parts in packages, and wrongly positioned items—small mistakes can add up to costly returns and drops in production quality. Packaging is the final effort to ensure quality and customer satisfaction, and workers need technology that can empower them to reach the finish line.

Solution

Make sure the correct packages have the correct parts, every time, with Zebra's machine vision solutions. Make manual checks and slow record keeping things of the past and ensure final details are in place, like checking label integrity, all on one software platform. With total visibility into packages and products, you can protect quality at every touchpoint, even as goods are on their way out the door to customers. And with industrial machine vision that's flexible, you can right-size and customize your solution to meet your plant's needs—so you have everything you need at your fingertips.



Create more efficient packaging operations with flexible solutions:

Several ways to mount safely to walls, equipment and vehicles

Customizable lighting options and an array of accessories

Dual Ethernet ports for ultimate communication flexibility

24 vdc, USB-C, or PoE

Enabling Performance. Inspiring Potential.

Discover your true productivity potential with solutions that are simple to use and manage and designed to make upgrading pain-free. An incredibly easy, out-of-the-box experience makes Zebra's Fixed Industrial Scanning and Machine Vision solutions ideal for initial automation, while advanced software features from Zebra Aurora™ optimize existing automated processes to make them more impactful than ever. With the leader in barcode scanning and imaging behind you, along with a network of support, you'll automate tasks quickly and with confidence.

Meet Zebra's Family of Fixed Industrial Scanning and Machine Vision Solutions



To learn more about Zebra's Fixed Industrial Scanning and Machine Vision solutions, visit:

www.zebra.com/machine-vision-fixed-scanners



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FS40/VS40

FS10

FS20/VS20

FS70/VS70